

Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2011-09-14
Date of Last Change to Activities: 2012-06-25
Investment Auto Submission Date: 2012-02-16
Date of Last Investment Detail Update: 2012-02-16
Date of Last Exhibit 300A Update: 2012-03-22
Date of Last Revision: 2012-06-25

Agency: 429 - Nuclear Regulatory Commission **Bureau:** 00 - Agency-Wide Activity

Investment Part Code: 01

Investment Category: 00 - Agency Investments

1. Name of this Investment: Integrated Source Management Portfolio (ISMP)

2. Unique Investment Identifier (Ull): 429-000001001

Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

NOTE: This investment is a new investment that replaces the NSTS (UPI 429-00-01-04-01-1010-00) and WBL (UPI 429-00-01-04-01-1000-00) investments that were previously reported as separate OMB Exhibit 300s. The events of September 11, 2001, heightened the nation's concern regarding the use of radioactive materials for a malevolent act. Radioactive materials used in varied industrial and medical settings, could potentially be stolen and used to produce a dirty bomb, utilizing conventional explosives in combination with radioactive sources. This investment directly supports the Nuclear Regulatory Commission (NRC) mission area ensuring adequate safety and security for radioactive materials. This investment will provide an integrated set of automated tools to store and maintain information on licensees, to provide an inventory of nationally distributed radioactive sources, and to manage source transactions (e.g., transfers and disposal). This solution is required under the Energy Policy Act of 2005. The Integrated Source Management Portfolio (ISMP) consists of three distinct and complementary information systems: The License Verification System (LVS); the Web Based Licensing (WBL) System; and the National Source Tracking System (NSTS). These systems will support credential tracking (license and certificate), inspection tracking, item tracking (devices and sources), and license verification. Functionally, these systems will: 1.) enable ready access to data on materials licenses; 2.) support pre-shipment verification of source transfers; and 3.) will provide full life cycle tracking of sealed sources

containing radioactive materials of interest. Sources of interest meet criteria for the isotopes and activity levels specified under the International Atomic Energy Agency (IAEA) code of conduct.

2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.

Establishment of the ISMP is required under the Energy Policy Act of 2005. The NSTS component specifically addresses the need to provide a web-based, full life cycle tracking of individual sealed sources containing nuclear materials and it directly supports the Nuclear Regulatory Commission (NRC) mission areas of nuclear materials safety and security of radioactive material. Failure to fund this investment reduces the NRC's ability to provide accountability for radioactive sources. These Sources, used in varied industrial and medical settings, could potentially be stolen and used to produce a dirty bomb, involving the use of conventional explosives in combination with Sources. Through detailed tracking in the NSTS, the NRC and other concerned government agencies are able to readily determine when Sources of concern are in transit, overdue, or amassed in a given geographic area. The WBL and LVS components of ISMP specifically address issues documented by the Government Accountability Office (GAO) in 2007 when they conducted an undercover operation to test certain controls in place at the NRC governing the issuance of licenses for possessing certain types of radioactive materials and for enforcing possession limits on the quantities of those materials. As a result, the NRC created a plan outlining a number of specific steps to be taken to address these issues including enhancing the already planned WBL system and initiating LVS. These systems, WBL and LVS, along with the source information stored in NSTS provide a way for licensees nationwide to confirm the license validity and maximum possession limit compliance of other licensees seeking to obtain radioactive materials. Failure to fund this investment would reduce NRC's ability to provide license information needed to prevent fraudulent and malicious use of radioactive nuclear material.

3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.

N/A - This is the first year of this investment.

4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).

Planned accomplishments: FY2012 - Deployment of NSTS v2.1 - CCB-controlled maintenance release - Deployment of NSTS v2.2 - CCB-controlled maintenance release - Deployment of WBL v1.0 - initial deployment which replaces the legacy Licensing Tracking System 2.0 for its licensing tracking capability and the legacy mainframe Inspection Planning System (IPS) for its inspection planning and tracking capability - Delivery of LVS Testable Feature Set 1 - Delivery of LVS Testable Feature set 2 - Delivery of WBL Sub-System: Storage & Transportation Info. Mgmt System (STIMS) Testable Feature Set 1
Planned accomplishments: FY2013 - Deployment of NSTS v2.3 - CCB-controlled maintenance release - Deployment of NSTS v2.4 - CCB-controlled maintenance release - Deployment of

WBL v1.1 - CCB-controlled maintenance release - Deployment of LVS v1.0 - initial deployment - Deployment of WBL Sub-System: Storage & Transportation Info. Mgmt System (STIMS).

5. **Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.**

2011-08-30

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$0.0	\$0.0	\$0.0	\$0.2
DME (Excluding Planning) Costs:	\$0.0	\$0.0	\$3.8	\$1.7
DME (Including Planning) Govt. FTEs:	\$0.0	\$0.0	\$1.2	\$0.2
Sub-Total DME (Including Govt. FTE):	0	0	\$5.0	\$2.1
O & M Costs:	\$0.0	\$0.0	\$5.4	\$7.8
O & M Govt. FTEs:	\$0.0	\$0.0	\$0.7	\$1.7
Sub-Total O & M Costs (Including Govt. FTE):	0	0	\$6.1	\$9.5
Total Cost (Including Govt. FTE):	0	0	\$11.1	\$11.6
Total Govt. FTE costs:	0	0	\$1.9	\$1.9
# of FTE rep by costs:	0	0	13	13
Total change from prior year final President's Budget (\$)		\$0.0	\$0.0	
Total change from prior year final President's Budget (%)		0.00%	-0.10%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

Minor reduction in FTE rate for FY12.

Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
Awarded	3100	NRCT001	NRC4110017	3100							
Awarded	3100	NRCT001	NRC4110017	3100							
Awarded	3100	NRC3308307	GS35F0153M	4730							
Awarded	3100	NRCT001	NRC3310324	3100							

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

EVM is performed on the Development, M&O, and Hosting contracts listed above. The Independent Verification and Validation (IV&V) contracts listed above are, by nature, highly dependent on the project artifacts delivered by the development contractor. If these artifacts are delivered late, then the IV&V contractor must start their review later than planned. If the quality level of these artifacts is low than the IV&V contractor may need to perform several rounds of reviews and even expand their review sampling to ensure quality. As such, these contracts require flexibility in determining the timing and level of effort required for a given deliverable review. Therefore, EVM is not a requirement of these contracts. However, in lieu of EVM the IV&V contractor provides semi-monthly and monthly status reporting and the NRC reviews this information to ensure cost and schedule realism. Any variances are addressed with the contractor and remediated. The Managed Public Key Infrastructure (MPKI) contracts listed above are dependent on the ISMP number of users that wish to be credentialed and on the deployment timing of the ISMP systems under development. The MPKI contractor cannot predict how many users will wish to be credentialed to use the ISMP systems and they are not in control of when the development contractor will deploy ISMP systems under development. As such, these contracts require flexibility in amount and timing of work to be performed. Therefore, EVM is not a requirement of these contracts. However, in lieu of EVM the IV&V contractor provides semi-monthly and monthly status reporting and the NRC reviews this information to ensure cost and schedule realism. Any variances are addressed with the contractor and remediated.

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-06-25

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
001	ISMP Web-Based Licensing (WBL) - FY11Q4	ISMP WBL Development Activities ending in FY11 Q4.			
002	ISMP License Verification System (LVS) - FY11 Q4	ISMP LVS Analysis and Design ending in FY11 Q4.			
003	ISMP Steady State - FY11 Q4	ISMP Hosting, Operations, User Support, & Maintenance Releases ending in FY11 Q4.			
101	ISMP Web-Based Licensing (WBL)	ISMP WBL Development, Deployment Activities.			
102	ISMP License Verification System (LVS)	ISMP LVS Design, Development.			
103	ISMP WBL Sub-System: Storage & Transportation Info. Mgmt System (STIMS)	ISMP WBL-STIMS Design, Development.			
201	ISMP Software Maintenance (FY12)	ISMP Software Maintenance Releases (FY12).			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities	End Point Schedule Variance	End Point Schedule Variance (%)	Cost Variance (\$M)	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
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Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M)	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
		(\$M)	(in days)					
001	ISMP Web-Based Licensing (WBL) - FY11Q4							
002	ISMP License Verification System (LVS) - FY11 Q4							
003	ISMP Steady State - FY11 Q4							
101	ISMP Web-Based Licensing (WBL)							
102	ISMP License Verification System (LVS)							
103	ISMP WBL Sub-System: Storage & Transportation Info. Mgmt System (STIMS)							
201	ISMP Software Maintenance (FY12)							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
002	LVS Analysis	LVS - Analysis - FY11 Q4	2011-08-26	2011-08-26	2011-08-31	144	-5	-3.47%
002	LVS Initial Design	LVS - Design - FY11 Q4 Portion	2011-09-30	2011-09-30	2011-09-30	34	0	0.00%
102	LVS Design	LVS - Design	2011-12-31	2011-12-31	2011-12-31	91	0	0.00%
103	STIMS Design	WBL-STIMS - Design	2012-03-31	2012-09-30		182	-183	-100.55%

Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
Percentage of applicable licensees that have one or more credentialed NSTS users	Percentage	Mission and Business Results - Services for Citizens	Over target	10.000000	0.000000	0.000000	15.000000	Semi-Annual
Percentage of Shipments Received On-Line	Percentage	Customer Results - Timeliness and Responsiveness	Over target	25.000000	0.000000	0.000000	30.000000	Semi-Annual
Percentage of Calls Handled by Tier 1 Help Desk	Percentage	Customer Results - Timeliness and Responsiveness	Over target	80.000000	0.000000	0.000000	82.000000	Semi-Annual
Number of 'high' security issues found during scan of Candidate Release	Count	Process and Activities - Security and Privacy	Under target	3.000000	0.000000	0.000000	2.000000	Semi-Annual
Percentage of System Availability (Uptime)	Percentage	Technology - Reliability and Availability	Over target	99.000000	0.000000	0.000000	99.500000	Monthly
Number of 'Emergency Releases' due to code quality issues	Count	Technology - Quality Assurance	Under target	5.000000	0.000000	0.000000	4.000000	Semi-Annual